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Glenn P. Ladwig

Glenn P. Ladwig, Patent Attorney

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT  
Examining Group 1648  
Patent Application  
Docket No. USF-T156X  
Serial No. 10/073,065

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Myron G. Hill  
Art Unit : 1648  
Applicants : Shyam Mohapatra, Mukesh Kumar, Shau-Ku Huang, Kam W. Leong  
Serial No. : 10/073,065  
Filed : February 12, 2002  
Conf. No. : 2390  
For : Gene Expression Vaccine

MS AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§1.97 AND 1.98

Sir:

In accordance with 37 C.F.R. §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed.

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first Office Action on the merits, but before the mailing of a final action or the notice of allowance. Please charge the fee of \$180.00 to Deposit Account No. 19-0065.

05/01/2006 AKELECH1 00000039 190065 10073065

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~ The applicants respectfully assert that the substantive provisions of 37 C.F.R. §§1.97 and 1.98 are met by the foregoing statements.

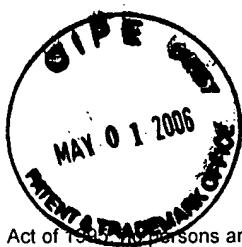
Respectfully submitted,



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GPL/mv

Attachments: Form PTO/SB/08 (2 pages); copies of references cited therein



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/073,065
Sheet	1	of	2	Filing Date	February 12, 2002
				First Named Inventor	Shyam Mohapatra
				Art Unit	1648
				Examiner Name	Myron G. Hill
				Attorney Docket Number	USF-T156X

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	U1	US-			
	U2	US-			
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
	F1	WO 03/028759 A1	04-10-2003	Univ. of South Florida	All
	F2	WO 02/34287 A2	05-02-2002	Pharmexa A/S	All
	F3	WO 99/36089 A1	07-22-1999	Johns Hopkins Univ.	All
	F4	WO 97/20576 A1	06-12-1997	Danbiosyst UK Ltd.	All
	F				
	F				
	F				

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard T.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
Sheet	2	of	2	Application Number	10/073,065
				Filing Date	February 12, 2002
				First Named Inventor	Shyam Mohapatra
				Group Art Unit	1648
				Examiner Name	Myron G. Hill
				Attorney Docket Number	USF-T156X

<b>NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	R1	BIVAS-BENITA, M. et al. "Pulmonary delivery of chitosan-DNA nanoparticles enhances the immunogenicity of a DNA vaccine encoding HLA-A*0201-restricted T-cell epitopes of <i>Mycobacterium tuberculosis</i> " <i>Vaccine</i> , 2004, 22:1609-1615.				
	R2	DOW, S. et al. "Systemic and local interferon $\gamma$ gene delivery to the lungs for treatment of allergen-induced airway hyperresponsiveness in mice" <i>Human Gene Therapy</i> , 1999, 10:1905-1914.				
	R3	HAMAJIMA, K. et al. "Chitin micro-particles (CMP): A useful adjuvant for inducing viral specific immunity when delivered intranasally with an HIV-DNA vaccine" <i>Viral Immunology</i> , 2003, 16:541-547.				
	R4	HELLERMAN, G. et al. "Chitosan IFN-gamma-gene nanosphere (CIN) therapy for allergic asthma: Modulation of specific T-cell and dendritic cell responses" <i>J. Allergy Clin. Immunol.</i> , 2003, 111(2):S265, abstract no. 791.				
	R5	KONG, X. et al. "Chitosan IFN-gamma-gene nanoparticle (CIN) therapy for allergic asthma in mice involves STAT4 signaling pathway" <i>J. Allergy Clin. Immunol.</i> , 2003, 111(2):S354, abstract no. 1144.				
	R6	KUMAR, M. et al. "Role of mucosal IFN- $\gamma$ gene transfer on allergic sensitization and RSV infection" <i>J. Allergy Clin. Immunol.</i> , 2002, 109(1):S4, abstract no. 78.				
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Examiner Signature		Date Considered
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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